

Appl. No. 09/555,592
Amdt. Dated February 12, 2004
Reply to Office action of November 14, 2003
Attorney Docket No. P08778-US1
EUS/J/P/04-1028

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Sub B1
A2

1. (Currently Amended) Method for setting up telephone-to-telephone calls using telephones connected to a PSTN/ISDN access network and using a separate packet-switched network[[,]] especially ~~Internet~~ as a substantial by-pass network, special wherein telephone gateways (GW) ~~forming~~ provide bridges between the access network and said by-pass network, and connections being established between a calling party (A) telephone and a first gateway (GWa) and between a second gateway (GWb) and a called party (B) telephone ~~the user telephones (A,B) and the gateways (GW) that bridge the call,~~ said method comprising the steps of:

~~characterized in that dialing, by a~~ the calling party (A) in a one-step procedure, ~~dials~~ a by-pass network service prefix together with the number of ~~the a~~ called party (B), ~~i.e. a prefix + B-number, and more specifically an~~ said by-pass network service prefix comprising an IN-service prefix, and

that analyzing said by-pass network service prefix ~~is analysed~~ to identify the relevant IN service for thereby routing the call to an IN node which can execute this IN service, the IN service establishes ~~establishing a~~ the call to an ~~appropriate~~ said first gateway (GWa) selected from one of a plurality of gateways (GW), which means that whereby said first the gateway is made service transparent to the calling party (A).

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2. (Currently Amended) Method as claimed in claim 1,

~~characterized in that wherein said IN service is arranged adapted to find the most appropriate, e.g. the closest gateway (GW) by analyzing the caller's calling party (A) number (A), each of said plurality of gateways being associated with geographic areas associated with calling party locations and/or possibly route the call to an alternative gateway if the closest is busy, etc.~~

3. (Currently Amended) Method as claimed in claim 1 2, further comprising the step of:

~~characterized in that after the IN service has established the call (A) to the most appropriate first gateway (GW), (Gwa) there is in the call set-up included the associated gateway number (Gwa) as destination number, as well as the caller calling party (A) number (A) and the callee called party (B) number (B).~~

4-6. (Cancelled).

7. (Currently Amended) Method as claimed in claim 6 1,

~~characterized in that there is maintained an updated wherein a list of said plurality of gateways is stored in the by-pass network, as well as a list of respective IP-addresses and the respective area code(s) associated with each of said plurality of gateways.~~

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8. (Currently Amended) Method as ~~claimed in any of the preceding~~
~~claims recited in claim 1, further comprising the step of:~~

~~characterized in that using the area code of the called party (B) number~~
~~(B) of the callee is used to find the IP-address of the most appropriate callee said~~
~~second gateway (GWb), for example the closest gateway thereof.~~

9. (Currently Amended) Method as ~~claimed in any of the preceding~~
~~claims, recited in claim 1, further comprising the step of:~~

~~characterized in that including in the call setup from the intelligent~~
~~network (IN) towards the access first gateway (GWA) the IP-address of the terminal~~
~~second gateway (GWb) is included, so that the access first gateway (GWA) can use the~~
~~received terminal second gateway (GWb) IP-address in the remaining call handling~~
~~process.~~

10. (Cancelled)